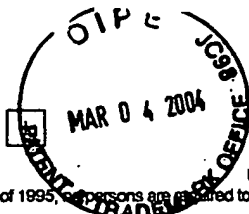


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# **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

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Sheet 1 of 5

## **Complete if Known**

Application Number	10/715,819
Filing Date	November 19, 2003
First Named Inventor	Richard A. SCHUMACHER et al
Group Art Unit	Unassigned 1025
Examiner Name	Unassigned 2NDARS
Attorney Docket Number	MEMORY-35

## **U.S. PATENT DOCUMENTS**

Examiner Initials	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
[Signature]		5,591,776		Cavalla et al.	01/07/1997	
		5,622,977		Warrellow et al.	04/22/1997	
		5,633,257		Warrellow et al.	05/27/1997	
		5,679,696		Fenton et al.	10/21/1997	
		5,693,659		Head et al.	12/02/1997	
		5,698,711		Palfreyman	12/16/1997	
		5,710,160		Guay et al.	01/20/1998	
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		5,712,298		Amschler	01/27/1998	
		5,723,460		Warrellow et al.	03/03/1998	
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		5,776,958		Warrellow et al.	07/07/1998	
		5,780,477		Head et al.	07/14/1998	
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		5,849,770		Head et al.	12/15/1998	
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		6,297,264		Head et al.	10/02/2001	

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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet **2** of **5**

### Complete If Known

Application Number	10/715,819
Filing Date	November 19, 2003
First Named Inventor	Richard A. SCHUMACHER et al
Group Art Unit	Unassigned
Examiner Name	Unassigned
Attorney Docket Number	MEMORY-35

### U.S. PATENT DOCUMENTS

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[Signature]	1	5,880,135		3/9/1999	
	2	6,262,040		7/17/2001	
	3	6,040,329		3/21/2000	
	4	5,889,014		3/30/1999	
	5	6,153,630		11/28/2000	
	6	2002151566		10/17/2002	

### FOREIGN PATENT DOCUMENTS

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		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
[Signature]		FR	2729142	A1	Nadler et al.	07/12/1996		
		EP	1116711	A2	Chassot et al	07/18/2001		
		EP	0994100	A1	Shinji et al.	04/19/2000		
		WIPO	96/21435	A1	Cavalla et al	07/18/1996		
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		WIPO	94/27971	A1	Nadler et al.	12/08/1994		
		WIPO	93/25517			12/23/1993		
		WIPO	94/14742			07/07/1994		
		WIPO	98/58901			12/30/1998		
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		WIPO	96/23754			08/08/1996		
		WIPO	99/33806		John et al.	07/1999		
		WIPO	96/36620		Giulio et al	11/1996		
		WO	00/64874			11/2/00		
		WO	01/70738			9/27/01		
		WO	94/02465			2/3/94		
		WO	95/01338			1/12/95		
		JP	2001 11047			1/16/2001		
		WO	02 059110		PCT	8/1/2002		
		WO	97 00868		PCT	1/9/1997		1
	WO	98 09961		PCT	3/12/1998		2	
	WO	97 49702		PCT	12/31/1997		3	
	WO	00 69841		PCT	11/23/2000			
[Signature]		WO	96 21435		7/18/1996		4, 5	
		WO	02 074726		9/26/2002		6	

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Sheet 3 of 5

### Complete If Known

Application Number	10/715,819
Filing Date	November 19, 2003
First Named Inventor	Richard A. SCHUMACHER et al
Group Art Unit	Unassigned
Examiner Name	Unassigned
Attorney Docket Number	MEMORY-35

### OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

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mpd		HEILMAN et al, "Synthesis and Antiinflammatory Evaluation of Substituted Isophthalonitriles, Trimesonitriles, Benzonitriles, and Terephthalonitriles", Journal of Medicinal Chemistry, 1978, Vol. 21, No. 9, pp. 906-913, XP-002226236	
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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)			Application Number	10/715,819	
			Filing Date	November 19, 2003	
			First Named Inventor	Richard A. SCHUMACHER et al	
			Group Art Unit	Unassigned	
			Examiner Name	Unassigned	
Sheet	4	of	5	Attorney Docket Number	MEMORY-35

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS				
Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		T <sup>2</sup>
Mpd		ROGER J. SCHILLING et al., "A High-Throughput Assay For Cyclic Nucleotide Phosphodiesterases," <i>Analytical Biochemistry</i> , 1994, pp.154-158, Vol. 215		
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		Peng WANG et al., "Expression, Purification, and Characterization of Human cAMP-Specific Phosphodiesterase (PDE4) Subtypes A, B, C, and D," <i>Biochem. And Biophys. Research Comm.</i> , Vol. 234, 320-324 (1997).		

Examiner Signature	<i>James W. Davis</i>	Date Considered	12/1/2005
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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)			Application Number	10/715,819
			Filing Date	November 19, 2003
			First Named Inventor	Richard A. SCHUMACHER et al
			Group Art Unit	Unassigned
			Examiner Name	Unassigned
			Attorney Docket Number	MEMORY-35
Sheet	5	of	5	

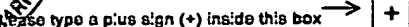
OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
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md		Domine M. T. CHAN et al., "New N- abd O-Arylations with Phenylboronic Acids and Cupric Acetate," Tetrahedron Letters, Vol. 39, 2933-2936 (1998).	
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		John HARTWIG et al., "Room-Temperature Palladium-Catalyzed Amination of Aryl Bromides and Chlorides and Extended Scope of Aromatic C-N Bond Formation with a Commercial Ligand," J. Org. Chem., 1999, Vol. 64, pp. 5575-5580.	
		Han-Ting ZHANG et al., "Inhibition of Cyclic AMP Phosphodiesterase (PDE4) Reverses Memory Deficits Associated with NDMA Receptor Antagonism," Neuropsychopharmacology, 2000, Vol. 23, pp. 198-204.	
		Han-Ting ZHANG et al., "Effects of Rolipram on Scopolamine-induced Impairment of Working and Reference Memory in the Radial-arm Maze tests in Rats," Psychopharmacology (Berl) 2000 June;150(3):pp. 311-6.	
3rd		T.W. Greene et al., <u>Protective Groups in Organic Synthesis</u> , 3 <sup>rd</sup> Edition, Chapter 3, "Protection for Phenols and Catechols," pp. 246-292, John Wiley & Sons, 1999	
10nd		Japanese Patent Abstract No. 7206789 dated 8/8/1995	

Examiner Signature	<i>Terrence W Davis</i>	Date Considered	12/1/2005
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gnd		T. J. Martin, "PDE4 Inhibitors - A Review of the Recent Patent Literature", IDRUGS, Current Drugs Ltd., Vol. 4, No. 3, (2001), pgs 312-338	
gnd		PCT Written Opinion dated 1/28/2005	
gnd		International Search Report dated 1/19/2005	

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